
Voltage Controlled Oscillator Selection Guide

Voltage Controlled Oscillators

Varactor-Tuned Oscillators

Part Number	Frequency Range Min. (MHz)	Tuning Voltage Low Frequency Min. (VDC)	Tuning Voltage High Frequency Max. (VDC)	Phase Noise @ 100 kHz Typ. (dBc/Hz)
VTO-8060	600-1000	3±1	40±8	-117
VTO-8080	800-1400	2±1.5	35±10	-107
VTO-8090	900-1600	2±1	48+8/-10	-107
VTO-8150	1500-2500	2.5±1	47±8	-102
VTO-8200	2000-3000	2+2/-1	20±4	-102
VTO-8240	2400-3700	2+2/-1	30±8	-102
VTO-8360	3600-4300	8±2	24±4	-108
VTO-8430	4300-5800	1.0	20.0	-97
VTO-8580	5800-6600	5±2.5	24+3/-5	-92
VTO-8650	6500-8600	2±1	20±5	-88
VTO-8810	8100-9100	2	16	-88
VTO-8850	8500-9600	5±2	13±5	-90
VTO-8950	9500-10500	4±1	10	-80

Hyperabrupt Varactor-Tuned Oscillators

Part Number	Frequency Range Min. (MHz)	Tuning Voltage Low Frequency Min. (VDC)	Tuning Voltage High Frequency Max. (VDC)	Phase Noise @ 100 kHz Typ. (dBc/Hz)
VTO-9032	320-640	0	20	-103
VTO-9050	500-1000	0	20	-108
VTO-9068	680-1360	0	20	-103
VTO-9090	900-1600	2	18	-108
VTO-9120	1200-2000	3±1	12±2	-105
VTO-9130	1300-2300	2	20	-105



www.hp.com/go/rf

For technical assistance or the location of your nearest Hewlett-Packard sales office, distributor or representative call:

Americas/Canada: 1-800-235-0312 or 408-654-8675

Far East/Australasia: Call your local HP sales office.

Japan: (81 3) 3335-8152

Europe: Call your local HP sales office.

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Obsoletes 5966-3647E

5968-4906E (3/99)